

INTERNATIONAL SEARCH REPORT

national Application No
PCT/US2004/023940

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L9/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, IBM-TDB, INSPEC, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 6 526 506 B1 (LEWIS DANIEL E) 25 February 2003 (2003-02-25) column 2, line 18 - line 20 column 10, line 47 - column 13, line 45; figure 6	1,5-8, 10-12 2-4,9
X A	US 2002/164029 A1 (JIANG SAM SHIAW-SHIANG) 7 November 2002 (2002-11-07) paragraphs '0015!', '0030!', '0031!	1,8 2-7,9-12
A	US 2003/059052 A1 (CHENG SHENG-YUAN) 27 March 2003 (2003-03-27) paragraphs '0029!', '0031!	1-12
X,P	US 2003/221098 A1 (CHEN KUN-HUEI ET AL) 27 November 2003 (2003-11-27) paragraphs '0010!', '0011!', '0043!', '0047!	1,8



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

27 December 2004

Date of mailing of the international search report

03/01/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Cretaine, P

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6526506	B1	25-02-2003	NONE	
US 2002164029	A1	07-11-2002	WO 02091647 A1	14-11-2002
US 2003059052	A1	27-03-2003	TW 532025 B	11-05-2003
US 2003221098	A1	27-11-2003	NONE	